

## Eco Mark Product Category No. 160

# “Biodiesel Fuels Made of Used Cooking Oil and products made from those byproducts Version1.1” Certification Criteria

### Category B. Products made from BDF byproducts

#### - Applicable Scope-

Denitrification agent for water treatment using BDF (biodiesel fuel) byproduct  
(byproduct glycerol).

Established: August 1, 2017  
Revised: February 1, 2021  
Expiration date: July 31, 2029

Japan Environment Association  
Eco Mark Office

NOTE: This document is a translation of the criteria written in Japanese. In the event of dispute, the original document should be taken as authoritative.

**Eco Mark Product Category No.160 “Biodiesel Fuels Made of Used Cooking Oil and products made from those byproducts Version 1.1” Certification Criteria**

**Category B. Products made from BDF byproducts**

Japan Environment Association  
Eco Mark Office

**1. Purpose of Establishing Criteria**

Omitted.

**2. Applicable Scope**

Denitrification agent for water treatment using BDF (biodiesel fuel) byproduct (byproduct glycerol)

**3. Terminology**

Omitted.

**4. Certification Criteria and Certification Procedure**

To show conformance to the individual criteria item, the respective Attached Certificates shall be submitted.

**4-1. Environmental Criteria and Certification Procedure**

**4-1-1 Resource Saving and Resource Recycling**

(1) The raw material for glycerin used in the product shall be all BDF byproducts.

[Certification Procedure]

The applicant or manufacturer shall submit a certificate stating the raw materials used in the product and the mass percentage of byproduct glycerin, and also a certificate issued by the supplier (collector) of byproduct glycerin stating the place and process of generation of byproduct glycerin.

(2) Of the byproducts of BDF accepted, the components that cannot be used in the applied product shall be used for other purposes.

[Certification Procedure]

A certificate issued by the manufacturer shall be submitted stating the amount of generation (estimate), method of use, and treatment process for the byproduct glycerin that was accepted as raw material for the applied product but cannot be

used for the applied product.

- (3) Containers used to deliver the product shall be reused to the extent possible, and consideration shall be given to the ease of recycling and reducing the load at disposal. In addition, for the plastic material used for the containers, resins composed of halogenated elements and organic halogen compounds shall not be added as a prescription component.

[Certification Procedure]

The material and method of use of the containers shall be specifically described in the attached certificate. It shall also be stated in the attached certificate that halogen-containing polymers and organohalogen compounds are not added as a prescription component in the plastic material used for the container.

- (4) Information shall be provided to users on proper usage, handling and storage precautions, disposal precautions, etc.

[Certification Procedure]

A copy of those stating proper usage, handling and storage precautions, disposal precautions, etc. for users shall be submitted. In addition, the method to provide the information shall be stated in the attached certificate.

#### 4-1-2 Restriction and control of hazardous substances

- (5) In manufacturing the applied product, related environmental laws and regulations and pollution control agreement (hereinafter referred to as the “Environmental Laws, etc.”) must be followed with respect to air pollution, water contamination, noise, offensive odor, and emission of hazardous substances in the area where the plant performing the final manufacturing process is located.

In addition, the state of compliance with the Environmental Laws, etc. for the past five years from the date of application (whether there is any violation) must be reported. If there is any violation, proper remedies and preventive measures shall have been already taken, and the related Environmental Laws, etc. must thereafter be followed appropriately.

[Certification Procedure]

With respect to the compliance with the Environmental Laws, etc. in the area where the plant performing the final manufacturing process is located, a certificate issued by the representative of the business of manufacturing the applied product or the relevant plant manager (entry or attachment of a list of names of the Environmental Laws, etc.) must be submitted.

In addition, the applicants shall report whether there is any violation in the past

five years, including a violation subject to administrative punishment or administrative guidance, and if there is, the following documents in a and b must be submitted:

- a. With respect to the fact of violation, guidance documents from administrative agencies (including order of correction and warning) and copies of written answers (including those reporting causes and results of correction) to such documents (clearly indicating a series of communication);
- b. Following materials (copies of recording documents, etc.) concerning the management system for compliance with the Environmental Laws, etc. in 1)-5):
  - 1) List of the Environmental Laws, etc. related to the area where the plant is located;
  - 2) Implementation system (organizational chart with roles, etc.);
  - 3) Bylaws stipulating retention of recording documents;
  - 4) Recurrence prevention measures (future preventive measures);
  - 5) State of implementation based on recurrence prevention measures (result of checking of the state of compliance, including the result of onsite inspection).

- (6) In the event that the product has the first-class or second-class designated chemical substance defined in “the Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof” added as a prescription constituent, that shall be reported.

[Certification Procedure]

Addition of the first-class or second-class designated chemical substance defined in “the Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof” and the name of the substances shall be stated in the Attached Certificate. In addition, SDS of the applying product shall be submitted.

#### 4-2. Quality Criteria and Certification Procedure

- (7) The quality of the product shall conform to the applicable public standards or independent industrial standards. If there are no standards, the quality equivalent to that of the conventional product that serves as an alternative shall be secured. In addition, measures shall be taken to prevent residual oil from causing trouble when using the product.

[Certification Procedure]

A certificate to explain the appropriate quality is secured shall be submitted. In addition, a certificate to explain the measures taken to prevent residual oil from

causing trouble when using the product shall also be submitted.

## 5. Considerations

In the process of manufacturing, it is desirable to consider the following, although they are not requirements for certification. The conformance to the individual criteria item shall be indicated on in Attached Certificates.

- (1) Efficiency shall be ensured in transportation when collecting BDF byproducts to be used as raw material for the product.

## 6. Application unit, Indication and Others

- (1) Product shall be applied by brand name.
- (2) In principle, Eco Mark logo shall be indicated on the product, etc.



(Note for the indication)

\*For indicating the logo, Eco Mark certification number (eight-digit number) or the name of the licensee using the logo shall be appeared.

\* Such expression as “Eco Mark product” can be used following the 2.(2) of the Guide to Eco Mark Usage.

“Eco Mark product”, “#Eco Mark”, “www.ecomark.jp”, “Eco Mark Certificate”

\*If a licensee makes an environmental claim of the Eco Mark certified products associating with the Eco Mark logo, please comply with the “Environmental Labeling Guidelines” of the Ministry of the Environment of Japan.

<https://www.env.go.jp/policy/hozen/green/ecolabel/guideline/>

\*The Guide to Eco Mark Usage shall be followed for any cases not listed above.  
(<https://www.ecomark.jp/office/guideline/guide/>)

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August 1, 2017:

Established (Version1.0) (Category A)

April 1, 2019

Revised (Eco Mark indication)

February 1, 2021

Revised (Addition of Category B, Version1.1)

March 15, 2023

Extension of Expiration date

July 31, 2029 :

Expiration date

The Certification Criteria for the Product Category will be revised when necessary.